nicolagiacchetta

software engineer

contact

→ Haggerston London, UK

+(44) 7397 921621 hello at nicolagiacchetta.it www.nicolagiacchetta.it

S nicola.giacchetta nicolagiacchetta

in nicolagiacchetta

languages

Italian: mother tongue English: advanced French: conversational Spanish: conversational

skills

Java Ecosystem:

Java8, Gradle, Maven, Jenkins, Dropwizard, Tomcat, JUnit, Mockito Message/Streaming Platform: Apache Kafka

Databases: MvSal. Couchbase **Cloud Services:**

AWS Dynamo DB, Google Cloud Datastore

Collaboration Tools: GitHub. SVN. Perforce Frontend: Html5, CSS3, Javascript, JQuery Other: Consul, Docker,

Bash, XML, JSON, PHP, C/C++

interests

Professional

Distributed Systems Microservices **RESTful APIs** Clean Code

Personal football tennis music vinyls cooking photography traveling

education

Master of Computer Engineering

Università degli Studi di Napoli Federico II

Thesis: Resource efficient sensor allocation for geographic range queries in IoT Service Orchestration.

Final Grade: 110/110

Bachelor of Computer Engineering

Università degli Studi di Napoli Federico II

work experience

Java Backend Developer Nexmo

London, UK | Dec 2016-Present

Napoli, Italy | Oct 2015

Napoli, Italy | Dec 2011

Designed and maintained the core backend of a Cloud Communication Platform, troubleshooting concurrency bugs, as well as scalability and performance issues in a large (~N x 1000 RPS on 6 DCs) real-time distributed system.

- developed new RESTful APIs
- extracted 3 microservices from a complex monolithic application
- worked on performance bottlenecks due to the low cardinality of AWS Dynamo DB indexes
- worked on the migration from AWS DynamoDB to Google Cloud Datastore
- worked on a data pipeline to anonymize users' PIIs in the platform to comply with the GDPR
- implemented a service to perform Failure Detection and health statuses aggretation
- worked on a tool to perform cross-DC MySql Master-Slave replication and Master failover
- mentored junior team members and took part in several hiring processes

Software Engineer EidosMedia

Milan, Italy | Dec 2015-Oct 2016

Developed a software layer to expose the core functionalities of the backend of a Digital Content Publishing Platform via RESTful APIs.

- developed algorithms to manage the internal document model of the platform
- increased unit test coverage (from ~30% to ~90%)
- refactored a key internal web service reducing its codebase from ~5000 to ~4000 LoC
- implemented a plugin for the integration with the Apple News API

Research & Development Intern NEC Laboratories Europe Heidelberg, Germany | Jan-Jun 2015 Built a Java module implementing a resource efficient sensor allocation algorithm for geographic range queries to be integrated in the IoT Broker GE.

- carried out most of the scientific research to find an algorithmic solution for the problem
- implemented the chosen algorithm in Java and a JavaFX-based simulation environment

Web Developer StudioInTlc

Scafati, Italy | Mar-Dec 2014

Provided expertise and deep understanding of the web tech stack (TCP/IP, HTTP, HTML5, CSS3, JavaScript, PHP), gained experience using the most common CMS platforms (Wordpress, Prestashop) & in troubleshooting cross-browser and cross-devices compatibility issues.

extra curricular activities

Team Kanban Practitioner (TKP) Lean Kanban University

London, UK | Jun 2017

Completed training in improved collaboration and Team Kanban concepts based on the Kanban Method and accepted by Lean Kanban University as a Team Kanban Practitioner.

Freelance Web Developer

Naples, Italy | Feb 2013-Dec 2014

Implemented web solutions (websites and e-commerce) for clients of various markets.

- fashion & clothing (Plainstore.it, Revenge)
- retail (La Riggiola)
- art: film production (O'Groove), singers (Carola Moccia, Be Quiet Nights)

Co-Founder & Administrator Zerottouno.it

Naples, Italy | Jan 2012-Feb 2013

Co-founded a website where the users could get all-round information about the town of Naples. The aim was to create a virtual community built around a news aggregator.

- co-managed a team of 9 people (6 bloggers, 1 UI designer, 2 Developers)
- built a community of thousands of active users (~N x 100K unique page-views per Month)